

To: Black, Ned[Black.Ned@epa.gov]
From: Wise, Robert
Sent: Wed 8/12/2015 3:33:01 PM
Subject: FW: any NORM concerns from the Silverton Area?? (fwd)

-----Original Message-----

From: Rob Runkel [mailto:**Personal Email/Ex. 6**]
Sent: Tuesday, August 11, 2015 1:23 PM
To: Wise, Robert; Wall, Dan
Subject: Re: any NORM concerns from the Silverton Area?? (fwd)

Rob/Dan - nothing definitive, but this is what I've recd so far

----- Forwarded message -----

Date: Tue, 11 Aug 2015 14:06:01 -0600
From: "Plumlee, Geoffrey" <gplumlee@usgs.gov>
To: "Wanty, Richard" <rwanty@usgs.gov>
Cc: Rob Runkel <rlrunkel@gmail.com>, Katie Walton-Day <kwaltond@usgs.gov>, Suzanne Paschke <spaschke@usgs.gov>, "Ridley, Trude" <tking@usgs.gov>
Subject: Re: any NORM concerns from the Silverton Area??

Sorry, also add, and from waters draining other adits in the area.

Geoffrey S. Plumlee, Ph.D.

Research Geochemist

Environment, Human Health, and Disasters U.S. Geological Survey
MS964 Denver Federal Center
Denver, CO, 80225
Phone: (303) 236-1204 (office); (303) 589-4746 (mobile) gplumlee@usgs.gov

See our web sites:

www.usgs.gov <<http://www.usgs.gov>>

*http://minerals.cr.usgs.gov/projects/minerals_health/environmental-disasters.html
<http://minerals.cr.usgs.gov/projects/minerals_health/environmental-disasters.html>*

On Tue, Aug 11, 2015 at 2:04 PM, Plumlee, Geoffrey <gplumlee@usgs.gov> wrote:

> I should have said in the waters emanating from the mine workings...

>

> *Geoffrey S. Plumlee, Ph.D.*

>

> *Research Geochemist*

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>

> On Tue, Aug 11, 2015 at 2:02 PM, Plumlee, Geoffrey <gplumlee@usgs.gov>

> wrote:

>

>> Rich is correct that there are uranium-rich veins in the Lake City

>> area, and our Mineral Resources Data System shows a couple of mine

>> sites within a mile or two from the Gold King for which uranium is listed as a commodity.

>> So, it is plausible that there may be some uranium in the waters.

>> Unfortunately, I so far have not found any drainage chemistry from

>> USGS Animas AML work that includes uranium.

>>

>> *Geoffrey S. Plumlee, Ph.D.*

>>

>> *Research Geochemist*

>> Environment, Human Health, and Disasters U.S. Geological Survey

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>> Denver, CO, 80225

>> Phone: (303) 236-1204 (office); (303) 589-4746 (mobile)

>> gplumlee@usgs.gov

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>> On Tue, Aug 11, 2015 at 1:30 PM, Wanty, Richard <rwanty@usgs.gov> wrote:

>>

>>> I don't see any U numbers in your spreadsheets, although U is easily

>>> analyzed by conventional ICP-MS and should show up in the EPA's

>>> recent analyses, although they haven't posted it either. You might

>>> ask BK if he ever had it measured in any of the synoptic samples

>>> over the years. It is a legitimate question- other parts of the San

>>> Juans, especially around Lake City, have U deposits, but I have no

>>> idea if the higher U concentrations would extend over towards

>>> Silverton or not. Just as an FYI- any U concentration >10

>>> micrograms per liter would raise my eyebrows, just based on what you typically see. I think the MCL

>>> is near that level as well.

>>>

>>> rich

>>>

>>> On Tue, Aug 11, 2015 at 1:16 PM, Rob Runkel <**Personal Email/Ex. 6**> wrote:

>>>

>>>> All --

>>>>

>>>> that's OK, I didn't know what it meant either (Naturally occurring

>>>> radioactive material)

>>>>

>>>> I'm in the response center in Durango. EPA has been getting calls

>>>> from the State of Arizona, w/ concerns over NORM. I don't recall

>>>> any talk of uranium and/or radioactive materials from the AML days

>>>> -- what do you think
>>>> - is it a legitimate concern?
>>>>
>>>> any info appreciated.
>>>>
>>>> -----
>>>> Rob Runkel
>>>> Research Hydrologist
>>>> U.S. Geological Survey
>>>> runkel@usgs.gov
>>>> 303.541.3013
>>>> <http://profile.usgs.gov/runkel>
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>>> *Richard B. Wanty, Ph.D.*
>>> *US Geological Survey*
>>> *MS 964d Denver Federal Center*
>>> *Denver, CO 80225 USA*
>>>
>>> *phone: 303-236-1819*
>>> *fax: 303-236-3200*
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